

## Research Approach • Wetland Study • San Luis National Wildlife Refuge • Refuge input & output study • Compare internal management areas • OC characterization • Biodegradation, THMFP • Basin Study • Collection of upstream & downstream data • Use of available SJR data • Relate wetland to regional context

## Wetland Study

- Collect flow and water quality data
  - > One inlet, three outlets
  - > Permanent wetland
  - > Seasonal wetland
- Characterize organic carbon
- Mass balance and temporal analysis
- Coordination of activities with other studies
  - > Mercury, DO TMDL, Conditional Waiver



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## Preliminary Results

- Individual wetlands have low drainage flows

  > Small local impact on mass basis
- Wetland drainage has high OC content
   Significant THMFP
- Regional data on OC in SJR is available

  > Data not included in Conceptual Model



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